

S2 26 ("20020186888" "20030033141" "5233660" "5651091" "5680507" "5745871" "5732188"
"5845244" "5327520").pn. (ep-1282236\$ jp-07050586\$ wo-200213183\$ jp-10242867\$ jp-
2000066700\$ jp-09258795\$ jp-09090997\$ jp-08248996\$ jp-08328591\$ jp-06083400\$).did.
2006/04/06 09:16 US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB

S6 173 (KONDO-TETSUJIRO\$ WATANABE-TSUTOMU\$ HATTORI-MASAAKI\$ KIMURA-HIROTO\$
FUJIMORI-YASUHIRO\$).in. and prediction adj tap 2006/03/23 11:55 US-PGPUB; USPAT; EPO;
JPO; DERWENT; IBM_TDB

S8 1 ('A-code' or 'G-code' or 'L-code' or 'I-code') and (KONDO-TETSUJIRO\$ WATANABE-
TSUTOMU\$ HATTORI-MASAAKI\$ KIMURA-HIROTO\$ FUJIMORI-YASUHIRO\$).in. 2006/03/23
12:37 US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB

S11 32 (abs! or (analysis adj synthesis) or ((new adapt\$7 modif\$7 chang\$4 interpolat\$7 requant\$7 re-
quant\$7) near2 (lpc celp residual innovation))) near2 (decoder!) 2006/03/23 13:30 US-PGPUB;
USPAT; EPO; JPO; DERWENT; IBM_TDB

S14 12 ((classif\$8) near2 (decoder!)) and (abs! or (analysis adj synthesis) or ((new adapt\$7 modif\$7
chang\$4 interpolat\$7 requant\$7 re-quant\$7) near2 (lpc celp residual innovation))) and ((classif\$8)
near2 (decoder!)) 2006/03/23 13:40 US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB

S16 12 ((learn\$4 train\$4) near2 (taps! filter\$4)) with (decoder!) 2006/03/27 08:54 US-PGPUB;
USPAT; EPO; JPO; DERWENT; IBM_TDB

S22 29 (learn\$4 train\$4).ti,ab. near4 (taps! filter\$4).ti,ab. and decod\$4.ti,ab. 2006/03/27 09:01
US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB

S23 11 "704"/\$.ccls. and (learn\$4 train\$4).ti,ab. and (taps! filter\$4).ti,ab. and decod\$4.ti,ab.
2006/04/05 13:11 US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB

S24 102 "704"/\$.ccls. and (learn\$4 train\$4).ti,ab. and (taps! filter\$4).ti,ab. 2006/03/27 09:06 US-
PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB

S27 24 "704"/\$.ccls. and (learn\$4 train\$4) near2 (taps! (filter\$4 near2 (coefficient parameter setting)))
2006/03/27 10:42 US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB

S29 37 (learn\$4 train\$4) near2 (taps! (filter\$4 near2 (coefficient parameter setting))) and (synthesi\$7 or
reproduc\$7).ti,ab. 2006/03/27 10:03 US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB

S30 207 (learn\$4 train\$4) near2 (taps! (filter\$4 near2 (coefficient parameter setting))) and (synthesi\$7 or
reproduc\$7) 2006/04/05 12:55 US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB

S31 53 (learn\$4 train\$4) near4 (taps! (filter\$4 near2 (coefficient parameter setting))) and (synthesi\$7 or
reproduc\$7).ti,ab. 2006/03/27 10:03 US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB

S32 85 (learn\$4 train\$4) near8 (taps! (filter\$4 near2 (coefficient parameter setting))) and (synthesi\$7 or
reproduc\$7).ti,ab. 2006/03/27 10:06 US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB

S42 25 "704"/\$.ccls. and ((class near2 tap) or (prediction near2 tap)) 2006/03/27 10:38 US-
PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB

S43 91 "704"/\$.ccls. and (learn\$4 train\$4 code adj book codebook) near2 (taps! (filter\$4 near2
(coefficient parameter setting))) 2006/03/27 10:42 US-PGPUB; USPAT; EPO; JPO;
DERWENT; IBM_TDB

S44 55 "5,581,652" "5005204" "5774838" "5953698" 2006/03/27 10:57 US-PGPUB; USPAT;
EPO; JPO; DERWENT; IBM_TDB

S47 42 (resynthesi\$7 re-synthesi\$7 repredict\$7 re-predict\$7 or ((second again) near2 (synthesi\$7
predict\$7))) near2 (taps! (filter\$4 near2 (coefficient parameter setting))) 2006/04/05 13:09 US-
PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB

S58 19 (synthesi\$1ed or reproduced) adj2 (sound speech audio) with (resynthesi\$7 re-synthesi\$7
repredict\$7 re-predict\$7) 2006/04/05 14:27 US-PGPUB; USPAT; EPO; JPO; DERWENT;
IBM_TDB

S48 226 (resynthesi\$7 re-synthesi\$7 repredict\$7 re-predict\$7) and (taps! (filter\$4 near2 (coefficient
parameter setting))) 2006/04/05 13:56 US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB

S60 5 (previous\$4 near2((synthesi\$1ed or reproduced) adj2 (sound speech audio))) with (predict\$7)
2006/04/05 14:31 US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB

S61 0 (previous\$4 near2 ((synthesi\$1ed or reproduced) adj2 (sound speech audio))) and chen-j\$
2006/04/05 14:32 US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB

S62 55 (synthesi\$1ed or reproduced) adj2 (sound speech audio) near2 (predict\$7) 2006/04/05
14:41 US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB

L11 21 (reformat\$5 or re-format\$5 or convert\$5 or conversion or transcod\$4 or translat\$6) near8 ((synthesi\$1ed or reproduced) adj2 (sound speech audio)) near8 ((predict\$7 adj2 (analy\$7 cod\$7 encod\$7 coefficient\$7 parameter\$7)) or (taps! (filter\$4 near2 (coefficient parameter setting))) lpc celp) 2006/04/06 10:33 US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB

L16 38 ((reformat\$5 or re-format\$5 or convert\$5 or conversion or transcod\$4 or translat\$6) near4 ((synthesi\$1ed or reproduced) adj2 (sound speech audio))) and (((synthesi\$1ed or reproduced) adj2 (sound speech audio)) near4 ((predict\$7 adj2 (analy\$7 cod\$7 encod\$7 coefficient\$7 parameter\$7)) or (taps! (filter\$4 near2 (coefficient parameter setting))) lpc celp)) 2006/04/06 10:44 US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB

L13 99 ((reformat\$5 or re-format\$5 or convert\$5 or conversion or transcod\$4 or translat\$6) near16 ((synthesi\$1ed or reproduced) adj2 (sound speech audio))) and (((synthesi\$1ed or reproduced) adj2 (sound speech audio)) near16 ((predict\$7 adj2 (analy\$7 cod\$7 encod\$7 coefficient\$7 parameter\$7)) or (taps! (filter\$4 near2 (coefficient parameter setting))) lpc celp)) 2006/04/06 10:50 US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB

L19 25 (reformat\$5 or re-format\$5 or transcod\$4 or translat\$6) with ((synthesi\$1ed or reproduced) adj2 (sound speech audio)) and ((predict\$7 adj2 (analy\$7 cod\$7 encod\$7 coefficient\$7 parameter\$7)) or (taps! (filter\$4 near2 (coefficient parameter setting))) lpc celp) 2006/04/06 11:04 US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB

L1 0 ((serial tandem) near2 (cod\$4 or en\$1cod\$8 or de\$1cod\$8 or vo\$1cod\$8 or compress\$7 or expan\$7 or trans\$1cod\$4 reformat\$5 or re-format\$5 or transcod\$4 or format\$7)) with ((synthesi\$1ed or reproduced) adj2 (sound speech audio)) and ((predict\$7 adj2 (analy\$7 cod\$7 encod\$7 coefficient\$7 parameter\$7)) or (taps! (filter\$4 near2 (coefficient parameter setting))) lpc celp) 2006/04/10 10:24 US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB

L4 10 ((serial tandem) near2 (vo\$1cod\$8 or transcod\$4)) and (synthesi\$1ed) 2006/04/10 10:30 US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB

L6 23 ((serial tandem) near2 (vo\$1cod\$8 or transcod\$4)) and ((predict\$7 adj2 (analy\$7 cod\$7 encod\$7 coefficient\$7 parameter\$7)) or (taps! (filter\$4 near2 (coefficient parameter setting))) lpc celp) 2006/04/10 10:37 US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB

L8 6 ((serial tandem) near2 (cod\$4 or en\$1cod\$8 or de\$1cod\$8 or vo\$1cod\$8 or compress\$7 or expan\$7 or trans\$1cod\$4 reformat\$5 or re-format\$5 or transcod\$4 or format\$7)) with ((predict\$7 adj2 (analy\$7 cod\$7 encod\$7 coefficient\$7 parameter\$7)) or (taps! (filter\$4 near2 (coefficient parameter setting))) lpc celp) and ((synthesi\$1ed or reproduced) adj2 (sound speech audio)) 2006/04/10 11:30 US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB

L9 16 ((serial tandem) near2 (cod\$4 or en\$1cod\$8 or de\$1cod\$8 or vo\$1cod\$8 or compress\$7 or expan\$7 or trans\$1cod\$4 reformat\$5 or re-format\$5 or transcod\$4 or format\$7)) and ((synthesi\$1ed or reproduced) adj2 (sound speech audio)) with ((predict\$7 adj2 (analy\$7 cod\$7 encod\$7 coefficient\$7 parameter\$7)) or (taps! (filter\$4 near2 (coefficient parameter setting))) lpc celp) 2006/04/10 11:35 US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB

L13 39 ((serial tandem) near2 (cod\$4 or en\$1cod\$8 or de\$1cod\$8 or vo\$1cod\$8 or compress\$7 or expan\$7 or trans\$1cod\$4 reformat\$5 or re-format\$5 or transcod\$4 or format\$7)) and ((predict\$7 adj2 (analy\$7 cod\$7 encod\$7 coefficient\$7 parameter\$7)) or (taps! (filter\$4 near2 (coefficient parameter setting))) lpc celp) and (trans\$1cod\$4 (resynthesi\$7 re-synthesi\$7 repredict\$7 re-predict\$7 or ((second again) near2 (synthesi\$7 predict\$7)))).ti,ab. 2006/04/10 11:58 US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB

L14 12 ((serial tandem) near2 (cod\$4 or en\$1cod\$8 or de\$1cod\$8 or vo\$1cod\$8 or compress\$7 or expan\$7 or trans\$1cod\$4 reformat\$5 or re-format\$5 or transcod\$4 or format\$7)) and ((predict\$7 adj2 (analy\$7 cod\$7 encod\$7 coefficient\$7 parameter\$7)) or (taps! (filter\$4 near2 (coefficient parameter setting))) lpc celp) with (trans\$1cod\$4 (resynthesi\$7 re-synthesi\$7 repredict\$7 re-predict\$7 or ((second again) near2 (synthesi\$7 predict\$7)))).ti,ab. 2006/04/10 11:59 US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB

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April 10,
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